DERWENT-ACC-NO: 1990-338117

DERWENT-WEEK: 199045

TITLE: Highly foamable PVC resin compsn. - contg. emulsion-polymerised vinyl! chloride resin, plasticiser and foaming agent

PATENT-ASSIGNEE: SAKAI CHEMICAL IND KK[SAKI]

PRIORITY-DATA: 1989JP-0064278 (March 15, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02242832 A	September 27, 1990	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 02242832A	N/A	1989JP-0064278	March 15, 1989

INT-CL (IPC): C08J009/10, C08L027/06

ABSTRACTED-PUB-NO: JP 02242832A

BASIC-ABSTRACT:

Compsn. a plastisol, which contains an emulsion-polymerised vinyl chloride resin. A plasticiser and a foaming agent (azodicarboamide), is added with ZnO with average particle size up to 0.05 micron and surface area at least 25 m2/g.

Plasticiser is diethyl phthalate, dibutyl phthalate, ethyl stearate, glycerin acetate. Example of foaming compsn. are paste resin (100 pts.), dioctyl phthalate (70), azodicarbonamide (3), titanium dioxide (10), Ca-carbonate (120), a foam controlling agent (0.4) and ZnO (2). This paste sol is coated on a fire-retardant paper in thickness of 0.2 mm with a doctor knife. Heated in an oven at 200 deg. c for 35 sec. forming a cured sheet.

ADVANTAGE - Prod. has high foaming ratio (2.87 by 90 sec. heating for 0.51 micron ZnO: 3.58 for 0.50 micron ZnO).

CHOSEN-DRAWING: Dwg:0/0

TITLE-TERMS: HIGH FOAM PVC RESIN COMPOSITION CONTAIN EMULSION POLYMERISE
POLYVINYL CHLORIDE RESIN PLASTICISED FOAM AGENT

DERWENT-CLASS: A14 E19 E32

CPI-CODES: A04-E02B; A04-E03B; A08-B03; A08-M10; A08-P01; A12-S04A; A12-S10;
E10-A13B; E10-E04G; E10-G02F; E10-G02H; E35-C;

CHEMICAL-CODES:
Chemical Indexing M3 *01*
Fragmentation Code
K0 K5 K532 K599 L4 L431 L499 M280 M320 M416
M620 M782 M903 M904 M910 Q608 Q621
Specfic Compounds
01055M
Registry Numbers
1327U 0502U

Chemical Indexing M3 *02*
Fragmentation Code
A430 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M782 M903 M904 M910 Q621
Specfic Compounds
01520M
Registry Numbers
1327U 0502U

Chemical Indexing M3 *03*
Fragmentation Code
G011 G100 H402 H482 J0 J011 J012 J2 J232 J271
M210 M212 M214 M225 M231 M262 M272 M281 M282 M313
M320 M321 M332 M343 M383 M391 M414 M416 M510 M520
M531 M540 M620 M782 M903 M904 Q614 Q621
Markush Compounds
199045-B9701-M 199045-B9702-M
Registry Numbers
1327U 0502U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0507U; 0507U ; 0508U ; 0508U ; 0982U ;
1055U
; 1055U ; 1278U ; 1278U ; 1520U ; 1520U ; 1966U ; 1966U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0007 0037 0209 0224 0060 0072 0183 0226 0759 2209 2218 2231 2232
2233 3216 2305 3219 2306 2316 2321 2423 2425 2436 2443 2502 2536 2654 2725
Multipunch Codes: 014 02& 030 043 06- 061 062 063 07& 075 08- 09& 10- 15- 165
18- 239 265 301 305 306 308 310 315 318 330 364 365 397 431 433 44& 442 448 449
477 491 50& 53& 575 596 688 720 721

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1990-146726

PAT-NO: JP402242832A

DOCUMENT-IDENTIFIER: JP 02242832 A

TITLE: HIGHLY EXPANDABLE VINYL CHLORIDE-BASED RESIN COMPOSITION

PUBN-DATE: September 27, 1990

INVENTOR-INFORMATION:
NAME
SHIMA, YASUHIRO
YASUI, HIROYUKI
TAKAHASHI, HIDEYUKI
TSUJIMOTO, HIDEO
NAKASHITA, SUENORI

ASSIGNEE-INFORMATION:
NAME COUNTRY
SAKAI CHEM IND CO LTD N/A

APPL-NO: JP01064278

APPL-DATE: March 15, 1989

INT-CL (IPC): C08J009/10

ABSTRACT:

PURPOSE: To obtain the subject composition having a markedly high expanding property by blending a plastisol containing a vinyl chloride-based resin, etc., produced by emulsion polymerization with a specified zinc oxide.

CONSTITUTION: To a plastisol containing 100pts.wt. vinyl chloride-based resin produced by emulsion polymerization, preferably 50-80pts.wt. plasticizer (e.g. dioctyl phthalate) and preferably 3-6pts.wt. azodicarbonamide as an expanding agent, zinc oxide having ≤0.05μm average particle size and ≥25m<SP>2</SP>/g surface area is added preferably in an amount of 1-2pts.wt., thus obtaining the objective composition.